

Your Inner Fish

Name: _____

1. What pattern do we see in all these limbs?

Why is this considered evidence for evolution?

2. The movie suggests that if we trace our ancestry back _____ then we were all _____.

3. a) In what way is a 12 week old male human embryo similar to that of a full grown fish? _____

b) How and why does the embryo change? _____

4. Below is a picture showing the embryos of a fish, chicken, mouse and human.



a. Label them to show which is which.

b. What similarities can you see?

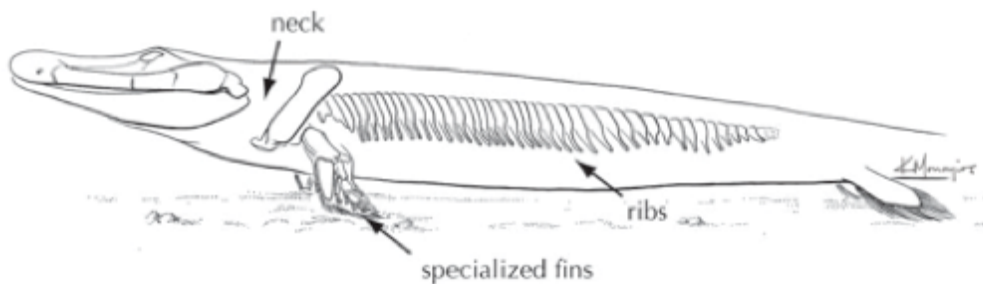
c. Why is this used as evidence for evolution?

5. The movie looks at DNA, in particular the gene called “sonic hedgehog”

- a. Where does sonic hedgehog get its name from? _____
 - b. What is the job of sonic hedgehog in humans? _____
 - c. How does the movie use this gene as evidence for evolution? _____
-

6. The team go fossil hunting in Northern Canada.

- a. Why was this site chosen? _____
- b. Why do they only fossil hunt there in the month of July? _____
- c. In 2004 they find tiktaalik, which is drawn below.



What is the significance of this fossil remain?

7. The tailbone in humans is described as a vestigial structure. Carry out some research to answer the questions below.

- a) What is a vestigial structure? _____
 - b) Why do humans have a tailbone when they don't have a tail? _____
 - c) Find some other vestigial structures (in humans or in other organisms) and write some notes about them.
-